

Class - I

LEARNING INDICATORS			
TAMIL	ENGLISH	MATHS	SCIENCE
<ul style="list-style-type: none"> • Recite Tamil rhymes with correct pronunciation. • Identify Tamil Letters • Read & Write small words • Recognize Tamil months & weekdays • Recognize colours • Imagine and narrate stories • Procure the skill of picture comprehension • Write neatly and legibly 	<ul style="list-style-type: none"> • Recite English rhymes with correct pronunciation. • Recognize Upper and lower case letters • Write legibly • Picture reading and comprehension • Identification of rhyming words • Answer 'Wh' questions • Aware on the usage of preposition words • Attain knowledge to rearrange Jumbled words • Attain knowledge of various concepts such as colours, numbers, parts of the body, different types of profession, animals around us, vehicles, shapes, furniture, fruits and vegetables. • Knowledge of letter patterns. 	<ul style="list-style-type: none"> • Get familiarized with numbers from 1-100 • Recognizing the place values • Double digit addition and subtraction • Identifying the number before and after, Missing numbers • Writing number names from one to twenty • Match number names with pictures • Identifying greater and small number • Recognizing symbols like addition, subtraction, etc., • Shapes & figures get familiarized with focus orientation. Co-erecting to the concrete things to the shapes & figures. 	<ul style="list-style-type: none"> • Students get familiarized with the names of animals, birds, fruits and vegetables • Aware of good habits and cleanliness • Recognizes and identifies • the parts of the body • Animals and their habitats • Animals and their young ones • Types of leaves • Recognize & identify various occupations, Family types. • Functions of sense organs able to prepare improvised materials.

Class - II

LEARNING INDICATORS			
TAMIL	ENGLISH	MATHS	SCIENCE
<ul style="list-style-type: none"> • Attain picture reading and comprehension skills. • Learn to write words and frame simple Sentences. • Create Pictures using thumb Prints and draw creatively. • Rearrange jumbled words in order • Understand and recite Aathi Choodi • Learn to Speak and respond. • Enrich Reading Skill • Acquire proper Pronunciation. • Procure skills of drawing and Painting, Project work and Picture Collection. 	<ul style="list-style-type: none"> • Listen, recite and perform actions related to rhymes, jingles and songs • Listen and respond to simple questions related to story • Procure skills to reproduce any Environmental sounds related to stories • Listen and respond to instructions and directions • Listen to questions and respond in full sentences • Aware of phonic sounds – alliteration , rhyming words, blending sounds and coining new words • Communicate and respond to messages, questions, request and involve in simple conversation • Acquire the skill of Writing with proper space and alignment of words • Write sentences using combination of grammatical forms • Respond to situations, directions and simple commands. • Respond to yes or no questions. • Listen to questions and respond in full sentences. • Attain knowledge of concepts like common work place, basic emotions, days and months, time concept, action words, counting, greeting and good manners. 	<ul style="list-style-type: none"> • Identify 2-D shapes viz. rectangle, square, triangle, circle by their names • Procure the skill to make patterns and shapes with straight and curved lines • Aware of ordinal and cardinal numbers • Able to subtract 2 digit numbers beginning from concrete representations to abstract • Able to subtract numbers by drawing representation of tens and ones without and with regrouping • Possess the ability to subtract single digit numbers and multiples of ten mentally • Estimate and check the reasonableness of answers to subtraction problems • Understand the need for standard units and a simple balance • Compare weights of given objects using simple balance • Recognizing the place values up to 100 	<ul style="list-style-type: none"> • Recognize the names of cereals. Pulses , greens, millets, vegetables and fruits • Obtain the knowledge on dairy products and preparation –egg, meat of animals • Know about the food eaten by people of different ages • Acquire the concept of health and hygiene – daily good habits, keeping the surroundings clean and the importance toilets and its uses • Develops the concept of environmental preservation • Familiarize with plant parts. • Recognize animals based on the characteristics & food habits. • Become aware of natural & locally available resources. • Recognize Public places & their uses. • Realize basic ideas Work Transport

Class - III

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> • Acquire the ability to answer Puzzles and riddles. • Posses the skill to narrate stories that evoke their thoughts. • Able to comprehend pictures and text. • Involve in activities like discussion, role play and singing . • Procure the skill of Speaking with Proper Pronunciation. • Able to read and respond to announcements, Advertisements, Road signals and Magazines of Children. • Acquire the skill of extensive reading - supplementary readers and newspapers . • Develop the ability to frame small sentences with prescribed grammatical forms. 	<ul style="list-style-type: none"> • Listen and recite rhymes thematic songs and poems with actions • Listen and respond to instructions and questions, stories and incidents and in peer group discussion • Attain the ability in Communicating massages, responding to questions, narrating and asking questions • Obtain the competency to read and illustrate sentences and passages • Develop the ability to read different genres – road signs and maps • Enhance in spelling skills like- jumbled letters, sentences, fill ups and dictations • Develop the skill of creative writing – writing rhyming sentences, a topic, making list and draw & write • Enhance in spelling skills like jumbled letters, sentences and dictations. • Develop the skill of coining new words from the root words. • Attain confidence in dealing functional 	<ul style="list-style-type: none"> • Understand the concept of multiplication as repeated addition by working many patterns • Able to understand and use the sign of multiplication • Able to construct tables of 2,3,4,5 and 10 • Understand the concept of division form the context of equal grouping and sharing • Able to solve simple division problems involving multiplication and division by grouping and by using multiplication tables • Understand graded sequence of multiplication beginning from multiplication of : single digit by single digit , two digit number by single digit • Able to measure length of objects in their environment using simple aids • Express appropriate standard units of length by choosing between centimeters and meters • Understand the numerical relationship between centimeter and meter • Recognizing the place value up to 1000 	<ul style="list-style-type: none"> • Acquire the knowledge on the sources of food and the ingredients of food eaten • Become conscious on the fact of having nutritious meal(balance diet),food groups and nutrients • Procure the concepts of Food for good health, Health and exercise and Eye exercises for better vision • Develop in depth knowledge on the Three states of matter • Widen their knowledge on the Tools to work (different kinds of tools and their design for use) and Tools used by the various professionals • Familiarize about Various plant parts & their functions • Various habitats & salient features of insects • Modifications of plant parts. • Explore the adaptations of animals. 	<ul style="list-style-type: none"> • Know about the modes of travel and transport in different areas • Learn the value of trips and travel • Acquire the knowledge of various types of food available in different seasons, festivals and geographical region • Become aware of the method of cultivation of different edibles, our food habits and its linkage to culture and history • Understand about Public Services (community helpers) and how and know about the services available and who serves • Recognize the names of directions students get familiarized with bus surroundings, Districts and State

	<p>grammar concepts like possessive form, punctuation, singular and plural and the parts of speech.</p> <ul style="list-style-type: none"> Learn concepts like our country, culture, dance forms, food of various states and dresses of various states. 	<ul style="list-style-type: none"> 3 digit Addition & subtraction is too added. Comparison. of numbers among three digit. Recognizing the special relationships. Distinguishing the shape that can be Comprising weights of given objectives simple balance. Comprising capacities of the containers. Recognizing the monthly calendar Different things of a year using daily and monthly calendar. <p>Money</p> <ul style="list-style-type: none"> Recognizing the correct denomination of the process of the objects. Attempts to write part of whole as a number by means of completing the incomplete figures or filling colours. <p>Patterns</p> <ul style="list-style-type: none"> Engages the children in understanding specific patterns of Geometrical shapes pictures numbers in the form of grooming and repeated patterns. <p>Study of data</p> <ul style="list-style-type: none"> Attempts to organize ungrouped data's in the form of tables pictographs of tally marks. 	<ul style="list-style-type: none"> Enrich their knowledge about forests. Imbibes the importance of internal organs Getting ideas about Air Water Sun & water & correlate them to daily life 	
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Class - IV

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> • Obtain the competency to read and illustrate sentences and passages • Develop the ability to read different genres – road signs and maps • Enhance in spelling skills like- jumbled letters, sentences, fill ups and dictations • Ask questions, paraphrase and discuss to explore ideas and • Understand new concepts • Identify areas of personal accomplishment and areas for • Enhancement in language learning and use • Identify other perspectives by exploring a variety of ideas, • Opinions, responses and oral, print and other media texts • Acquire skills in personal writing , representing to record and reflect on ideas, information and experiences 	<ul style="list-style-type: none"> • Collect and synthesize information from a range of oral source. • Identify and analyze different aspects of aural inputs (eg. tones of voice, pitch, pause, stress etc). • Read a wide range of materials with a purpose of developing a taste for and a culture of reading (Reports, poetry, stories, fables books, essay, newspapers, magazines, instructions, messages etc). • Read to obtain information, develop knowledge for enjoyment. • Use speaking as a means of communication and to learn. • Speak in order to reflect on experience and values, explore and express thought, feelings, ideas, pleasure and enjoyment. • Use language to collaborate and develop relations with peers and other people in Social environment. • Inculcate thinking skill in language aspect. • Collect and synthesize information from a range of oral source and indeed analyze different aspects of aural inputs (tone of voice, pitch, pause, stress and 	<ul style="list-style-type: none"> • Posses the ability to do elementary multiplication of 2 -digit by 2- digit and 3-digit by single digit number • Able to write tables up to 10×10 • Abled to Divide a given number by another number in various ways • Acquire the knowledge to estimate sums, differences and products of simple 2 digit numbers to nearest 10s or 100s • Able to measure volumes of given liquid using containers marked with standard units • Able to estimate the volume of a liquid contained in a vessel and verifies by measuring • Compute and correlate the number of day in a year within the number of days in each month • Read clock time to the nearest hours and minutes • Able to express time using the terms 'a.m' and 'p.m' • Able to compute the number of days between two given dates • Recognizing of drawing Geometrical shapes using locally available materials and them labeling. 	<ul style="list-style-type: none"> • Acquire the knowledge on Raw and cooked food, food in illness, utensils used cooking, cooking practices and food hygiene • Become aware on the Personal safety- at home, on the road, in school and common places • Obtain a thorough knowledge on the Transformation of natural resources in to materials for use – industry and agriculture • Understand the Generation of waste Kinds of waste and sources and Recycling • Procure knowledge on the concept of Energy and work- relationship between energy, force and movement • Internalize the importance of edible parts of the plants • Curious to know about the germination of seeds. • Wonders about the unique nature of animals (sense organs) • Parental care • Division of labours among insects • Acquire knowledge about 	<ul style="list-style-type: none"> • Develop the basic knowledge of India as a nation • Able to identify India and sport physical features and political divisions in a map and atlas • Recognize National Symbols • Able to enumerate the linkage between History and Geography to understand the different life styles of people living in different places • Identify and grow familiar with one's rights and duties, both as a citizen and as a child • Learn by tracing the life of Scientists, verify the experiments and develop scientific temperaments • Acquire the knowledge in mapping skill. Find out the Colour code in Geography. (yellow – desert, blue – river).

LEARNING INDICATORS				
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	<p>intonation.</p> <ul style="list-style-type: none"> • Read a wide range of materials and read to obtain information, develop knowledge and involves in data collection while reading. • Develops interest in reading reports, stories, fables, books, essay, newspapers, magazines and messages. • Speak in order to communicate and to express thoughts, feelings and ideas and share experience and various emotions. • Develop relations with peer using their language and communication skill. • Develops / indeed inculcate thinking skills naturally in the learning process. • Attain knowledge in grammatical concepts like degrees of comparison, conjunction, pronouns, tense, homophones, homonym and framing questions. • Involves in language games like anagrams and tongue twisters. • Attain knowledge about concepts like 'go green' and 'helping and greeting others'. 	<ul style="list-style-type: none"> • To create different shapes using tango gram understanding the tiling use the Appropriate Geometrical shapes. • Adds & subtracts up to four digit numbers in the forms of grouping & without grouping • Estimating the weight of an object and verifying by standard units of measures. • Recognizing the symmetric figures and their reflections. • Addition and subtraction of like fraction • Recognizing the perimeter of Geometrical figures. • Addition & subtraction in money transaction with reference to daily life situation. • Recognition patterns using numbers in the form of aptitude test. • Forming tables and filing the data from the given statement problems under data handling. 	<p>different types of farming</p> <ul style="list-style-type: none"> • Understand amazing mechanism of human digestive system. • Recognize the vital importance of air oxygen • Water conservation • Gain knowledge about the solar family applies scientific knowledge in day to day life. 	

Class - V

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> • Read to obtain information, develops knowledge for enjoyment. • Use language to collaborate and develop relations with peers and other people in Social environment • Extend sight vocabulary to include words frequently used in Other subject areas • Integrate knowledge of phonics and sight vocabulary with Knowledge of language and context clues to read unfamiliar Words in context • Identify the main events in oral, print and other media texts; • Explain their causes, and describe how they influence Subsequent events • Identify and explain connections among events, setting and Main characters in oral, print and other media texts 	<ul style="list-style-type: none"> • Observe the information for the explicit purpose of deriving pleasure • Contribute appropriately to conversation. • Respond to reading critically. Examine how information, experience and ideas are presented. • Pronounce the text with proper stress, intonation and pause (Focus on Supra segmental features). • Skim and scan important message from the given text. • Participation collaborative problem solving and group discussion. • Use appropriate body language, vocabulary and tone of voice. • Engage in activities which includes. Dramatic play, Story – telling, Poetry reading, Group discussion, Debate, News – telling, Class meeting, Singing • Skim and scan important messages. • Attain skills in problem solving and group discussion. • Contribute appropriately 	<ul style="list-style-type: none"> • Procure knowledge on the use of the Symbols > and <. • Solving life oriented problems (Relevant to the topic) • Division of 5 digit number by a 1-digit number. • Reading and Writing fractions • Writing the equivalent fraction of a fraction given the denominator or the numerator. • Addition and Subtraction of proper fractions without using Calculators. • Obtain knowledge on Kilometer and Metres, Metres and centimeters, Kilograms and grams and Litres and Millilitres • Measurement of time in seconds, minutes and hours. • Solving word problems involving time in 12 hour clock. • Drawing of 3-D object from 2-D shapes. • Addition subtractions of numbers up to five digits. • Recognizing the standard division of Algorithms. • Distinguishing the multiples 	<ul style="list-style-type: none"> • Acquire the knowledge on the Preservation and Spoilage of food and kitchen safety • Become conscious on the Spread and Prevention of diseases, avoiding the use of public places for toilet purposes and knowing the nearest health centre • Know about the properties of materials and different kinds of houses – variation with climate • Procure in detail the concepts of Renewable sources of energy, Non-renewable sources of energy, Uses and application of energy and about conserving energy • Acquire knowledge about • Pollination • Seed dispersal • Become aware of natural / Artificial habitat (sanctuary) of animals • Enrich their knowledge about the life cycle of insects • Admire the amazing function of brain & sense organs. 	<ul style="list-style-type: none"> • Learn about the different types of forest found in India, the various kinds of trees found in them, their uses and conservation and a forestation • Know about the different minerals found in India, the regions they are found in and the uses of minerals and their conservation • Learn briefly about Space Research and India's place in Space Research • Know about the achievements of Kalpana Chawla and Sunitha Williams • Become aware of the formation of Government and the different functions of Parliament and Legislature – judiciary

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> Produce oral, print and other media texts that follow a logical Sequence, and demonstrate clear relationships between Character and plot 	<p>conversation and uses appropriate body language, vocabulary and tone of voice.</p> <ul style="list-style-type: none"> Examine how information, experience and ideas are presented. Engage in activities like, Dramatic like Story telling Poetry reading Group discussion Debate News telling Clears meeting and Singing Attain knowledge in concepts like Exposed to Letter Writing Saving our Earth and Environment Good human Values ideas about kinship. Healthy habits Patriotic feelings Spirit of discovery, imagination and creativity Attain knowledge in Grammatical Concepts like Noun Proper, Common Gender Collection Nouns Preposition Interjection Develops Application Skills such as Hints Development Filling up forms Completing the Storiesetc 	<p>& factors</p> <ul style="list-style-type: none"> Recognizing the fractions using the number line & fractions disc. Addition rut fraction & multiplication of fraction. Recognize the concepts of decimals. Recognizing the type of angles in the daily life. Conversion of units in the metric measures length weight volume. Creativity of numbers in geometrical figures in patterns. Skill of developing a table by means of grouping the data & representing by pictograph. 	<ul style="list-style-type: none"> Become aware of various uses of plants. Reveals the scientific facts about properties of air, uses of air pressure, water cycle & different status of water. Have strong desire to explore more facts about astronomy. Get induced to acquire scientific knowledge through scientific inventions & History of Scientists. 	

Class - VI

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> • Participating in collaborative problem solving and group discussion. • Use appropriate body language, vocabulary and tone of voice. • Engage in activities which includes. Dramatic play, Story – telling, Poetry reading, Group discussion, Debate, News – telling, Class meeting, Singing, Elocution • Write to communicate ideas and information to share views, thoughts, feelings and experiences. • Use organizational patterns of expository texts to understand Ideas and information • Ask relevant questions, and respond to questions related to Particular topics • Identify information sources that inform, persuade or entertain, And use such sources appropriately • Make notes of key words, phrases and images by subtopics; 	<ul style="list-style-type: none"> • Communicate and respond to messages, questions, request and involve in simple conversation • Write sentences using combination of grammatical forms • Respond to reading critically. Examine how information, experience and ideas are presented. • Skim and scan important message from the given text. • Participation collaborative problem solving and group discussion. • Use appropriate body language, vocabulary and tone of voice. • Engage in activities which includes. Dramatic play, Story – telling, Poetry reading, Group discussion, Debate, News – telling, Class meeting, Singing • Writing brief reports that examine a topic, have a clear focus, and include relevant facts, details, and quotations • Gain knowledge from materials that make extensive use of elaborate diagrams and data to 	<ul style="list-style-type: none"> • Analyzing and solving problems using concepts of ratio and rate. • Working with variables and expressions. • Analyzing and solving word problems using equations. • Understanding ratios and rates, and solving problems involving proportional relationships (e.g., if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?). • Dividing fractions and solving related word problems (e.g., how wide is a rectangular strip of land with length 3/4 mile and area 1/2 square mile?). • Using positive and negative numbers together to describe quantities; understanding the ordering and absolute values of positive and negative numbers. • Working with variables and expressions by generalizing the way numbers work (e.g., when adding numbers, the order doesn't matter, so $x + y = y + x$; likewise, properties of addition and multiplication 	<ul style="list-style-type: none"> • Acquire the skill to describe the steps in an experiment • Obtain knowledge on basic structure and functions of the human respiratory and digestive system • Able to explain how the different body systems are inter connected • Demonstrate mechanical advantage of simple and compound machines • Demonstrate how various forces can affect the movement of objects • Able to describe a variety of impacts on using the living and non- living resources • Able to identify medicinal plants & their uses • Acquires knowledge about fibre yielding plants. • Become aware of Vitamins / Minerals & their deficiency diseases. • Obtain knowledge on mode of nutrition in plants & Animals. • Able to distinguish changes around us • Apply the knowledge of measurement in daily life. • Understand Various types 	<ul style="list-style-type: none"> • Improve their geography skills, • demonstrate an understanding of the patterns of human movement and how people relate to different places in their environment. • Procure knowledge of significant historical events, developments and their relationship to the present. • Understand the rights and responsibilities of citizens in a democratic society including the basic institutions and processes of lawmaking, enforcement, and interpretation. • Inculcate an understanding of such social studies concepts, including geography, history, government, and economics. • Develop an understanding of the democratic

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Cite titles and authors of sources alphabetically	<p>Convey information and illustrate concepts.</p> <ul style="list-style-type: none"> Participation in problem solving by engaging in activities like anagrams, palindrome, spoonerism, homophones, homonyms, word chain, re- arranging jumbled letters and words etc. Descriptive potential like role play, enacting, imaginative journey, journal writing, preparing brochures, advertisements, extempore etc. Ability to classify words as nouns, verbs, adverbs, adjectives, conjunctions etc. Can flawlessly recite a poem with actions and face expressions. 	<p>can be used to rewrite $24x + 18y$ as $6(4x + 3y)$, or $y + y + y$ as $3y$.</p> <ul style="list-style-type: none"> Understanding the process of solving simple equations. Writing equations to solve word problems and describe relationships between quantities (e.g., the distance D traveled by a train in time T might be expressed by an equation $D = 85T$, where D is in miles and T is in hours). Reasoning about relationships between shapes to determine area, surface area, and volume. Recognizing the largest numbers by place value. Divisibility rules to find factors of a number. Recognizing GCD by means of division and prime factorizing method. Identifying the situation for the concept of fraction and addition subtraction among like and unlike fractions. Conversion of fractions into decimals & vice versa. Addition & subtraction of fractions in decimals. Connecting examples children extinguish the concept of Ratio & proportion from their daily life situations. 	<p>of motion</p> <ul style="list-style-type: none"> Experience the properties of magnets through simple experiments. Acquire information about the cell & cell Constituents. Realize the values of separating mixtures in many ways / utilize them in daily – life. Evolve a Common Solution about energy types & its uses. Obtain knowledge about bacteria, Virus, Fungi based on structure & their diseases caused by them. Able to classify plants based on cotyledon root-system. Understand the plant Kingdom Classification. Differentiate animals based on vertebral column wonders about the amazing facts of King Cobra, Whales, Crocodile, chameleon. Differentiate the types of waste Acquire knowledge about waste disposal Able to correlate the information about Cement/ Concrete/RCC in the construction of buildings & dams. 	process and how it relates to our society today.

LEARNING INDICATORS				
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		<ul style="list-style-type: none"> • Able to find the duration between two time distances. • Conversion of one unit of time in to the other. • Expressing the skill of drawing various types of angles using the Geometrical Aids. • Recognizing the perimeter and area of various shapes by means of their formula. • Recognizing the gives from the daily activities and constructing them using the instruments from Geometrical box. • Formulating the patterns identified by the child and tries to suggest a symbol for a general term of a pattern. <p>Integers.</p> <ul style="list-style-type: none"> • Recognition of sign of numbers in the daily life situation like money transaction debit & credit system. 	<ul style="list-style-type: none"> • Acquire knowledge in Preparation & Properties of glass & soap • Classify fibers based on its applications. • Able to apply the concepts of light like sources, path of light, shadows, types of mirrors & reflection in the daily life. • Explains solar & lunas eclipse. 	

Class - VII

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> • Use of vocabulary in real life situation in an appropriate manner. • Advocating the rules of grammar to express ideas. • Regular practice of grammar for mastery over basic language aspects. • Reciprocate error free writing by practicing fundamental rules. • Promoting creativity and novelty. • Understanding the central theme of the lesson. • Reproduce the gist of the lesson. • Application of moral values in day to day life. • Association of central Theme in real life situations. • Enhance the clarity and artistry of communication • Revise to ensure an understandable progression of ideas and information • Write legibly, using a style that demonstrates awareness of Alignment, shape and 	<ul style="list-style-type: none"> • Analyzing how chapters of a book, scenes of a play, or stanzas of a poem fit into the overall • Structure of the piece and contribute to the development of ideas or themes. • Gaining knowledge from materials that make extensive use of elaborate diagrams and data to • Convey information and illustrate concepts. • Evaluating the argument and specific claims in written materials or a speech, and distinguishing claims that are supported by reasons and evidence from claims that are not. • Presenting claims and findings to others orally, sequencing ideas logically, and accentuating main ideas or themes. • Writing arguments that provide clear reasons and relevant evidence, using credible sources. • Writing brief reports that examine a topic, have a clear focus, and include relevant facts, details, and quotations • Conducting short research 	<ul style="list-style-type: none"> • Develop a belief in the value of mathematics and its usefulness to them • Nurture confidence in their own mathematical ability • Foster a sense of personal achievement and to encourage a continuing and creative interest in mathematics • Develop skills, concepts, understandings, and attitudes which will enable them to cope confidently with the mathematics of everyday life • Develop flexibility and creativity in applying mathematical ideas and techniques to unfamiliar problems arising in everyday life • Become effective participants in problem-solving teams, learning to express ideas, and to listen and respond to the ideas of others • Develop the skills of presentation and critical appraisal of a mathematical argument or calculation, use mathematics to explore and conjecture, and learn from mistakes as well as successes 	<ul style="list-style-type: none"> • Observing, determining the properties of an object or event by using the senses. • Classifying, Grouping objects or events according to their properties. • Measuring/Using Numbers - Skills include: • Describing quantitatively using appropriate units of measurement • Estimating • Recording quantitative data • Space or time relationships • Communicating, Using written and spoken words, graphs, tables, diagrams, and other information presentations, including those that are technology based. • Inferring, Drawing a conclusion about a specific event based on observations and data; may include cause and effect relationships. • Predicting, Anticipating consequences of a new or changed situation using past experiences and 	<ul style="list-style-type: none"> • Possess the ability to discuss broad historical trends. • Illustrates the kinds of sources that historians use for studying the period. E.g., buildings, chronicles, paintings, coins, inscriptions, documents, music, literature. • Trace the patterns of political developments and military conquests • Develop an understanding of the connections between political and economic processes through • the exploration of one specific example. • Illustrate how inscriptions are used to reconstruct • history • Outline the development of political institutions, • and relationships

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<ul style="list-style-type: none"> slant Communicate ideas and information in a variety of oral, print And other media texts, such as short reports, talks and posters Identify strengths and areas for improvement in research Process 	<p>projects to answer a question, drawing on several sources and sharpening the focus based on the research findings.</p> <ul style="list-style-type: none"> Reviewing and paraphrasing key ideas and multiple perspectives of a speaker. Recognizing variations from standard English in his or her own and others' writing and speaking, and using this knowledge to improve language use. Determining the correct meaning of a word based on the context in which it is used (e.g., the rest of the sentence or paragraph; a word's position or function in a sentence). Spotting errors (grammatical errors) in simple sentences. Semantic mapping to locate places, directions, origin and events. Preparing reports, notes, minutes, abstracts, summary and tables. Ability to fill up money order forms, bank challans, and reservation forms etc. Ability to read newspaper and magazines and get in touch with socio 	<ul style="list-style-type: none"> Develop accuracy, efficiency, and confidence in calculating-mentally, on paper, and with a calculator Develop confidence and competence in using instruments and measuring a knowledge of geometrical objects and relations in two and three dimensions, and recognize and appreciate their occurrence in the environment; develop spatial awareness and the ability to recognize and make use of the geometrical properties and symmetries of objects in everyday use; Recognizing four properties of integer's closer commutation associative Distribution over Addition & Multiplication. Recognizing the four basic operations on rational numbers. Representing a rational number as decimal fraction & forms rules for operation or it. Using exponential forms and the rules to solve problems. Related to repeated multiplications. Addition and subtractions on algebraic expressions involving one or two 	<p>observation.</p> <ul style="list-style-type: none"> Collecting, Recording, and Interpreting Data, Manipulating data, either collected by self or by others Defining Operationally, Defining terms within the context of one's own experiences; stating a definition in terms of "what you do" and "what you observe". Making Hypotheses, Proposing an explanation based on observations. Making and Using Models, Representing the "real world" using a physical or mental model in order to understand the larger process or phenomen. Obtain knowledge about the mode of nutrition Gain knowledge and make use of it in daily life Animal products / uses Animal care & protection Dental care Status of matter, properties of mother & impact of temperature on maths Measurement of volume, area, density, length mass time oscillation & astronomical distance 	<ul style="list-style-type: none"> amongst rulers. Understand strategies of military control and resource mobilisation Understand the impact of an imperial administration at the local and regional levels <p>Students obtain knowledge on the child and women rights.</p>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
	<p>environment.</p> <ul style="list-style-type: none"> Ability to listen to news and headlines in BBC, CNN, etc. Understanding the main idea of passage. Ability to take in success and failure in the same stride. Develops tolerance with his classmates, in a multi-linguistic and religious country. Develop confidence and tolerance against failures. Acquire debating skills with gestures and apt face expressions. Learns to write personal and formal letters. 	<p>variables.</p> <ul style="list-style-type: none"> Expressing situation in simple linear equation and solves them. Describing ratios as percentage and forms formulae for profit / loss and simple interest and simple interest using unitary method. Ability to differentiate direct variation & Indirect variation and calculating the needed quantity using them. Recognizing the perimeter of Area and plane figures made up of circles, triangles & quadrilateral. Identifies pairs of angles like supplementary, complimentary adjacent and vertically opposite and finding the other one (when the other is given) Understanding the concepts of symmetry and its types.(Rotational) Properties of parallel lines cut by a transversal. Construction of angles using Scale and Composer. Ability to collect and organizing a continuous date and skill of interpreting by bar graphs. Recognizing the formation of frequency tables. 	<ul style="list-style-type: none"> Enriched knowledge about sericulture, Apiculture & Poultry farming. Realize the mechanism of digestive system in man. Differentiate plants based on requirement of water. Familiarize about plant parts, their functions uses, modifications & trophism. Realize the significance of classification using Whitaker classification system. Exposed to binomial nomenclature. Acquire knowledge about velocity, speed, acceleration, distance & gliding. Obtain diversified knowledge about organ system Aware of food preservation methods & fast food ill effects and importance of yoga, meditation & exercise. Able to correlate chemistry to daily life Physical / chemical changes Acids, bases & salts Electric circuit, switch, electric bell, electro magnet, conductors & 	

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
			<p>insulators.</p> <ul style="list-style-type: none"> • Gains knowledge in ecosystem, food chain, bio-sphere, types of forest, plant & animal types of forest, plant & animal types. • Aware of rain-water harvest, increasing ground-water level, process of drinking water from sea-water. • Imbibes knowledge about fuel, combustion types & fire extinguishers, sources of heat, measuring heat – thermometer. • Able to identify convex & concave lens. 	

Class - VIII

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> • Gain knowledge from materials that make extensive use of elaborate diagrams and data to Convey information and illustrate concepts. • Write legibly, using a style that demonstrates awareness of Alignment, shape and slant • Identify past, present and future action • Identify and apply common spelling generalizations in own writing • Present to peers ideas and information on a topic of interest, in a well-organized form • Add interest to presentations through the use of props, such as pictures, overheads and artifacts • Give constructive feedback, ask relevant questions, and express related opinions in response to oral and visual presentations 	<ul style="list-style-type: none"> • Learn to frame antonyms with the prefixes. • Acquire skill in syllabification and classify their kind. • Able to share ideas relevant to class activities and discussion (eg.in pairs or small groups, brainstorming and literature circles) • Posses a skill to speak and listen to respond to others needs, feelings and reactions, taking into account verbal and non-verbal cues(tone, inflection, body language and facial expression • Present and discuss in their own words information that is generally accurate and relevant, states a clear topic , follows a organizational structure, includes specific detail and provides a conclusion • Understand and respond to literary and creative works • Ask and answer critical questions about a text • Acquire skills of speaking and listening to improve and extend thinking by, 	<ul style="list-style-type: none"> • Develop the skills, concepts, understandings, and attitudes which will enable to cope confidently with the mathematics of everyday life • Develop a variety of approaches in solving problems involving mathematics • Develop the ability to think and reason logically • Achieve the mathematical and statistical literacy needed in a society which is technologically oriented and information rich; • Develop the characteristics of logical and systematic thinking, and apply these in mathematical and other contexts, including other subjects of the curriculum; • Become confident and competent users of information technology in mathematical contexts • develop the skills and confidence to use their own language, and the language of mathematics, • Express mathematical ideas; • develop the knowledge and skills to interpret written presentations of mathematics 	<ul style="list-style-type: none"> • Posses the skill to perform experiments using scientific method. • Acquire the skill to explain how various processes could be modeled –diagrams or demonstration of energy transfer and wave action • Demonstrate knowledge of the characteristics of living things – require energy, respond to the environment, gas exchange, reproduce etc • Relate characteristics of living things to viruses, bacteria, plants and animals • Summarize cell theory – recognize that all living things are composed of cells, and all cells come from pre-existing cells • Accurately list similarities and differences between cell types(plants and animals) • Students have clear idea about adolescent changes. • Become aware of personal hygiene 	<ul style="list-style-type: none"> • Posses the skill in using maps and timelines to locate interpret and represent physical, political and economic features of our country • Acquire knowledge n the significance of key events and factors in the development of the nation • Able to describe the different levels of government, summarize the responsibilities of government and identify the governance structures • Analyse the relationship the economic development of communities and the available resources • Describe the impact of technological innovation and science on political, social and

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> Identify and discuss main characters, plots, settings and illustrations in oral, print and other media texts from diverse cultures and communities Identify and discuss differences in language use in a variety of school and community contexts Use brainstorming, summarizing and reporting to organize and carry out group projects 	<ul style="list-style-type: none"> questioning and speculating, acquiring new ideas, analyzing and evaluating ideas considering alternative view points and problem solving Create a variety of writing-journals, personal letters , descriptive pieces , reports, procedures, poems and passages Can draw moral values and ethics from epics, parable, folk-lore, myths, facts, fables and religious books. Eliciting ideas from the given diagrams and pictures. To arrive different solutions for one problem. Skimming and scanning focused to find out the relevant information. Building meaningful dialogues, sentences and substantiating his or her view points. Increases vocabulary by using appreciation words using adjectives and adverbs. Improvises confidence by presenting good and appropriate body language. Ability to classify noun, verbs, adverbs, adjectives 	<ul style="list-style-type: none"> develop confidence and competence in using instruments and measuring devices; predict and calculate the effects of changes in variables and rate of change of variables on systems representing simple mathematical models. performing operations on rational numbers and describing their properties of in with reference to the basic operation. Ability in finding square, squareroot, cube, cuberoot of a number(s) Understanding the laws of exposures with integral powers. Ability to Approximate numbers up to three digits. Ability to calculate using short cut methods in four operations. Ability in using four basic operations among the algebraic expressions. Recognizing the factorization of algebraic expressions using identities. Ability of converting a simple contextual situation in to appropriate linear equations and solving them in different methods. Recognizing the perimeter 	<ul style="list-style-type: none"> Correlate the knowledge gained in endocrine gland with their daily life. Recognize the importance of reproductive health. Understand about the sex determination and its role. Have curiosity to know about various classification of [Fungi, algae, pteridophyte, pteridophyte, gymnosperm, and angiosperm] Gain knowledge about the anatomy of root, stem and leaf. Recognize the uses of microorganism in daily life. Gain more information about plant and animal through classification. Acquire information about the cell and cell organelles. Acquire the knowledge which are beneficial to lead economically healthy life such as <ul style="list-style-type: none"> Crop production Method of irrigation Genetic engineering Familiarize with the beneficial and harmful 	<ul style="list-style-type: none"> economic structures Procure knowledge on the impact of contact, conflict and conquest on civilization Explain the development and importance of government system Able to understand the traffic signals, Take interest in obey and follow the traffic rules and avoid road accidents. Explain the different kinds of savings systems and investment schemes both Government and Private sectors.

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
	<p>etc.</p> <ul style="list-style-type: none"> • Gains thorough knowledge of figures of speech. 	<p>area of plain figures by which calculating the same of combined figures.</p> <ul style="list-style-type: none"> • Recognizing the properties of triangles and understanding the concurrent of triangle. • Ability of solving problems related to profit / loss, discount and tax contextual situation. • Differentiating problems related to simple compound interest and attempts to solve the problem. • Identifying the type of variations in two quantities on the basis of pattern in given problems. • Recognizing the points of concurrency in triangle and Pythagoras therom. • Understanding the basic concepts of circles (secant, tangent, chord....) • Ability in constructing (quadrilateral and its types) concentric circles. • Skill of drawing Histogram, frequency polygon with reference to the frequency table to be formed. • Skill of representing a data by means of pie chart. • To understand the measures of central tendency and measuring the same for the given data 	<p>effect of micro organism in daily life and it genetic engineering.</p> <ul style="list-style-type: none"> • Understand about the periodic table of element. • Distinguish the various measurement scale used to measure temperature • Have a concrete idea about the cell, cell organelles, and organ system. • Realise the important of conserving plants and animals. • Recognize why pollution free atmosphere is essential to lead healthy life. • Gain more knowledge about • Migration of birds • Sanctuaries • Able to understand the natural sources of coal and petroleum with their properties • Recognize the every day effect of refraction and reflection. • Distinguish the nature of audible and inedible sounds. • Acquire the skill to perform experiments using scientific method. • Relate the learnt 	

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
		<p>(mean mode)</p> <ul style="list-style-type: none"> • Recognizing the concept of Cartesian plane with the Axes (graphs) and ability to plot points for different kinds of situations. (Perimeter Vs for Square, Distance Vs Time)etc., 	<p>concept of force and pressure in daily life.</p> <ul style="list-style-type: none"> • Have a compare and contrast the characters of animals based on their skeletal and muscular system. • Become aware of all kinds of pollution and their impact in environment. • Gain knowledge about the basic principle of atomic structure. • Familiarize about flow of current induction of charges through simple activities. • Realise the influence of heat in three states of matter. • Recognize the transformation of heat. 	